

THE UNIVERD SHAMES OF AMERICA

TO ALL TO WHOM THESE; PRESENTS; SHALL COME: Pioneer Hi-Bred International, Inc.

Moccas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT. THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICE IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE THE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT (S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE **EXAMINATION MADE,** THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOV. THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID CONTROL OF THE SUCCESSORS HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY CARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC **MUSTINSTIMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE** EXCLUDE OTHERS FROM SELLING THE NARMETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR QUE OF EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE REPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT EXTHE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'RJS37002'

In Jestimonn Microst, I have hereunto set my hand and caused the seal of the Hant Mariety Protection Office to be affixed at the City of Washington, D.C. this fourteenth day of November, in the year two thousand and eight.

Plant Variety Protection Offi Agricultural Marketing Serv

Colmand T. Schaff

REPRODUCE LOCALLY. Include form number and da	ate on all reprod	uctions		+		F	orm Approved - OMB No. 0581-0655	
U.S. DEPARTMEN AGRICULTURAL M SCIENCE AND TECHNOLOGY - PL APPLICATION FOR PLANT VAR	the Pa Applica	The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Peperwork Reduction Act (PRA) of 1995. Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2425).						
(Instructions and information coll				MPORARY DESIGNATION OR		RIETY NAM		
Pioneer Hi-Bred Internation	al Inc		EX	XB37L07 RJS37002				
4. ADDRESS (Street and No., or R.F.D. No., City,		ode, and Country)		.EPHONE (include area code)		-	OR OFFICIAL USE ONLY	
7300 N.W. 62nd Avenue			(5	15) 253-2197		NUMBER		
P.O. Box 1004				((include area code)	# # 2	20	0800138	
Johnston, IA 50131-1004			(5:	15) 253-2288	FILING	DATE		
7. IF THE OWNER NAMED IS NOT A "PERSON", ORGANIZATION (corporation, partnership, associ		8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DA	TE OF INCORPORATION		2/2	8/2008	
Corporate		Iowa	Ma	y 6, 1926				
Paul D. Koelling 7300 N.W. 62nd Avenue P.O. Box 1004 Johnston, IA 50131-1004	ENTATIVE(S) TO	Cassie J. Prochas 7250 N.W. 62nd P.O. Box 552 Johnston, IA 50	ska Avenue		FEES RECHIVE	S A / DATE CERTIF S 76	AND EXAMINATION FEES: 382,00 7/28/08 PICATION FEE: 98.00 1017/08	
11. TELEPHONE (Include area code)	12. FAX (Indu	-		3, E-MAIL	D	<u></u>		
(515) 253-2197 14. CROP KND (Common Name)	(515)	253-2288 NAME (Botenicell)	3	paul.koeiling@pi	oneer.	.com		
Soybean 15. GENUS AND SPECIES NAME OF CROP Glycine max 19. CHECK APPROPRIATE BOX FOR EACH ATTA (Follow instructions on reverse) a. X Exhibit A. Origin and Breeding History b. X Exhibit B. Statement of Distinctness	YES	ARIETY A FIRST GENERATION HYPE $\overline{\mathbf{X}}$ NO	20	APPROVED PETITION TO COMMERICALIZATION. DOES THE OWNER SPECIE OF CERTIFIED SEED? (Se	DEREGUI	EEED OF T 83(a) of the and 22 bek	PHIS REFERENCE NUMBER FOR THE GENETICALLY MODIFIED PLANT FOR THIS VARIETY BE SOLD AS A CLASS of Plant Variety Protection Act) DOWN NO (# "no", go to item 23) THIS VARIETY BE LIMITED AS TO	
c. X Exhibit C. Objective Description of Vari	iety			YES NO				
d. X Exhibit D. Additional Description of the e. X Exhibit E. Statement of the Basis of the f. X Exhibit F. Declaration Regarding Depo	e Owner's Owner	rehip		IF YES, WHICH CLASSES? DOES THE OWNER SPECIFICATION WITH YES NO	Y THAT S	SEED OF T	HIS VARIETY BE LIMITED AS TO	
that tissue culture will be deposited and	f maintained in a	n approved public repository)	"	IF YES, SPECIFY THE NUM		_		
g. X Filing and Examination Fee (\$4,382), m States" (Mail to the Plant Variety Protect		Treasurer of the United			EGISTERI e <i>c</i> essary, ;		CERTIFIED the space indicated on the reverse.)	
23. HAS THE VARIETY (INCLUDING ANY HARVES FROM THIS VARIETY BEEN SOLD, DISPOSED OTHER COUNTRIES? YES NO NO IF YES, YOU MUST PROVIDE THE DATE OF IF FOR EACH COUNTRY AND THE CIRCUMSTA	O OF, TRANSFE FIRST SALE, DI:	RRED, OR USED IN THE U.S. OR SPOSITION, TRANSFER, OR USE	24	YES NO	Y RIGHT (<i>'PLANT 8F</i> TE OF FILI	REEDER'S RIGHT OR PATENT)? NG OR ISSUANCE AND ASSIGNED	
25. The owners declare that a viable sample of best for a tuber propagated variety a tissue culture with a undersigned owner(s) is(are) the owner of the entitled to protection under the provisions of Sect Owner(s) is (are) informed that false representations.	will be deposited this sexually repr tion 42 of the Pla	in a public repository and maintained oduced or tuber propagated plant var nt Variety Protection Act.	d for the dura	tion of the certificate.				
SIGNATURE OF OWNER	0		SIGNATUR	E OF OWNER				
NAME (Please print or type)	ing		NAME (Plea	ase print or type)		.		
Paul D. Koelling								
CAPACITY OR TITLE Process Improvement Manager	DAT F	6625,2008	CAPACITY	OR TITLE	DATE			

(See reverse for instructions and information collection burden statement)

#200800138

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). NEW: With the application for a seed reproduced variety or by direct deposit soon after filing, the applicant must provide at least 3,000 viable untreated seeds of the variety per se, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office

Telephone: (301) 504-5518 FAX: (301) 504-5291

General E-mail: PVPOmail@usda.gov

Homepage: http://www.ams.usda.gov/science/pvpo/PVPindex.htm

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, Seed Regulatory and Testing Branch, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)
 U.S. Patent 4,940,835 issued to Shah et al. as per the Roundup Ready Gene in this variety.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TOD).

To file a compleint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal coportunity provider and employer.

Exhibit A. Origin and Breeding History of the Variety

Soybean Variety RJS37002

Variety RJS37002 evolved from a cross made in the summer of 2001 in Illinois with the following parentage:

Parentage = 93B86/XB37C02

XB37C02 = 93B82/P00048 P00048 = A3431/94B01*

*94B01 is a commercial variety with the Roundup Ready® (40-3-2) gene

Variety RJS37002 is an F3-derived line which was advanced to the F3 generation by modified single-seed descent. The F3 progeny row of RJS37002 was grown in a plant row yield trial in Illinois in the summer of 2002. Subsequently, RJS37002 has undergone five seasons of extensive testing and purification in the United States. It has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. On the basis of yield, soybean cyst nematode resistance (Race 3), phytophthora resistance, resistant to frogeye leaf spot, and resistance to Roundup® branded herbicides; variety RJS37002 was assigned a commercial number.

The purification block was grown in 2005 in Illinois and 72 sub-lines were harvested. A half (0.50) acre increase was grown in Argentina in the winter of 2005/06. Twenty-one (21) acres of parent seed stock (foundation seed equivalent) were grown in the summer of 2006, and approximately 578 acres of seed stock and production seed were grown in the summer of 2007.

Exhibit B. Statement of Distinctness

Soybean Variety RJS37002

Variety RJS37002 is most similar to Agripro variety AP3955RRN. Both varieties have white flowers, light tawny pubescence, yellow seed with black hila, brown pod wall, resistance to race 3 of the soybean cyst nematode, and resistance to Roundup® branded herbicides. However, RJS37002 has resistance to *Phytophthora megasperma* as governed by the Rps1c gene, whereas AP3955RRN has no major gene for resistance to *Phytophthora megasperma*.

Form Approved OMB NO 0581-0055

REPRODUCE LOCALLY, Include form number and date on all reproductions.

According to the Paperwork Reduction Act of 1995, an egency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE

EXHIBIT

AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY Soybean (Glycine max (L.) Merr.)

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
Pioneer Hi-Bred International, Inc.	XB37L07	RJS37002
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country	,	FOR OFFICIAL USE ONLY
7300 N.W. 62nd Avenue, P.O. Box 1004, Joh	nston, IA, 50131-1004	#200800138
should be based on a minimum of 100 plants. Comparati) when number is either 99 or less or 9 or less respectively. ve data should be determined from varieties entered in the splant colors; designate system used	same trial. Royal Horticultural Society or
A. MORPHOLOGY:		
Seed Shape: 1 = Spherical (L/W, L/T, and T/W ratios ≤1.2)	2 = Spherical-Flattened (L/W ratios> 1.2; L/T ratios ≤ 1.2)	
3 = Elongate (L/W ratios > 1.2; T/W ratios ≤ 1.2)	4 = Elongate-Flattened (L/T ratios ≥ 1.2; L/W ratios ≥ 1.2)	
Seed Coat Color: * 1 1 = Yellow 2 = Green 3 = Brown	wn 4 = Black 5 = Other (Please specify	·)
Seed Coat Luster: 1 1 = Dull 2 = Shiny		
Seed Size: * 15.9 grams/100 seeds (rounded to	the nearest decimal (00.0))	
Hilum Color: * 6 1 = Buff 2 = Yellow 3 = Brov 7 = Other (Please specify)	wn 4 = Gray 5 = Imperfect Black	6 = Black

Page 1 of 6

A. MORPHOLOGY: (continued)

Cotyledon Color:

Seed Protein Peroxidase Activity:

$$2 = High$$

Hypocotyl Color:

* 1 1 = Green

2 = Green with Bronze ('Evans' or 'Davis') Band below cotyledons

('Woodworth' or 'Tracy')

3 = Light Purple below Cotyledons ('Beeson' or 'Pickett 71')

4 = Dark Purple extending to unifoliolate leaves ('Hodgson', 'Coker', or 'Hampton 266A')

Leaf Shape:

Flower Color:

Pod Color:

Pubescence Color:

Plant Habit:

Maturity Group:

$$1 = 000$$
 $2 = 00$ $6 = III$ $7 = IV$

Maturity Subgroup:

- Please enter a value from 0-9
- B. DISEASE REACTIONS: 0 = Not Tested
- 1 = Susceptible
- 2 = Resistant
- 3 = Tolerant

NOTE: Failure to supply information for at least 5 of the following disease reactions will result in significant delay in the examination process. Items denoted by and asterisk are the disease reactions most useful in the examination process.

Bacterial

- 0 Bacterial Pustule (Xanthomonas campestris pv. glycines (Nakano) Dye)
- 1 Bacterial Blight (Pseudomonas syringae pv. glycinea (Coerper) Young, Dye, & Wilkie)
- Wildfire Blight (Pseudomonas syringae pv. tabaci (Wolf & Foster) Young, Dye, & Wilkie)

Fungal

- 1 Brown Spot (Septoria glycines Hemmi)
- Frogeye Leaf Spot (Cercospora sojina Hara)

гасе 4

0 race 1

race 2

- 0 | race 3
- 0 race 5 0 race 6
- race 7
- Important: Any other races tested (Please specify)

3.	DIS	SEASE RE	ACT	TONS: (con	tinue	d)						
	0	Target Spot	(Cor	vnespora cas	siicol	a (Berk. & Cur	t.) V	Vei)				
	0	1 .	•	•		•	-	a (Naum.) Syd	l. Ex	(Gäum)		
	0	i -	,	·		usa Cke. & Pk		_ (,,,		,		
	0	i					•	namberlain) W.	Gai	ms \		
*	0	า		•		• -		acc. var. cauliv			vell)	
*	1		•	,		-		Ell.) (Sacc. va				nm.)
	0	1			·	•		Fomoyasu) Ga				···· ·
	1	1		Rot (Rhizoct		- -	-			,		
	0	i					N (2	a.k.a. Phakosp	ora	pachvrhizia S\	/dw.))
	0	i		e specify)	,	aorijiinzi oju	۰۰۰ ۲۰			pas.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,
		,			. 5							
pe		,		1		iytophthora Ro		1] -		3.50
	0	Rps1 (Williams)	2	<i>Rps1-c</i> (Arksoy)	0	<i>Rps1-k</i> (Kingwa)	0	<i>Rps3-b</i> (Pl 172.901)	0	<i>Rps</i> 5 (Pl 91.160)	0 /	Rps? Nezumisaya, OX939, OX940
	0	Rps1-a	0	Rps1-d	0	Rps2	0	Rps3-c	0	Rps6		
		(Mukden)		(PI 103.091)		(CNS)		(PI 340.046)		(Altona)		
	0	Rps1-b (Sanga)	0	<i>Rps1-e</i> (Pl 172.907)		<i>Rps3-a</i> (Pl 171.442)	0	<i>Rps4</i> (Pl 86.050)	0	Rps7 (Harosoy)		
		, ,				,	•			(1.10.000))		
Ph		ohthora Root I]		e (Kaufmann &	<u> </u>		•		•	
		race 1	0	race 9		race 17	0	race 25	0	race 32		race 39
	\vdash	race 2	0	race 10	\equiv	race 18	0	race 26	0	race 33	0	race 40
	=	race 3	0	race 11	0	race 19	0	race 27	0	race 34	0	race 41
	\vdash	race 4		race 12	0	race 20	0	race 28	0	race 35	0	
	2	race 5	0	race 13	0	race 21	0	race 29	0	race 36	0	race 43
٠	0	race 6	0	race 14	0	race 22	0	race 30	0	race 37	0	race 44
	1	race 7	0	race 15	0	race 23	0	race 31	0	race 38		race 45
	0	race 8	0	race 16	0	race 24	0	Important: An	y ot	her races test	ed (F	Please specify)
	1	Bud Blight (T	obac	co Ringspot	Virus')						
				ean Yellow M								
*			•	Cowpea Chic		·						
	=	Pod Mottle (I	•	•		· ·· - · - ,						
*	=	Seed Mottle			•)						
8 I a			` ,			,						
ive	mate	oue										
So	ybea	, i		(Heterodera	glycii	nes Ichinohe)						
	0	race 1	0 ra	ace 4] rac	e 9						
	∣∩l	race 2	$\bigcap _{T_2}$	co 5	Irac	e 14						

0 Important: Any other races tested (Please specify)

В.	DI	SEASE REACTIONS: (continued)
	0	Lance Nematode (Hoplolaimus columbus Sher)
	0	Southern Root Knot Nematode (Meliodogyne incognita (Kofoid & White) Chitwood)
	0	Northern Root Knot Nematode (Meliodogyne hapla Chitwood)
	0	Peanut Root Knot Nematode (<i>Meliodogyne arenaria</i> (Neal) Chitwood)
\	0	Reniform Nematode (Rotylenchus reniformus Linwood & Olivera)
	0	Javanese Nematode (<i>Meliodogyne javanica</i> (Treub) Chitwood)
	0	Important: Other Nematodes tested (Please specify)
C.	PH	IYSIOLOGICAL RESPONSES: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	1	Iron Chlorosis on Calcareous Soil
	0	Phosphorus 0 Important: Other (Please specify)
	0	Boron
	0	Aluminum
	0	Salt
	0	Drought
	لكا	
D.	INS	SECT REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	0	Mexican Bean Beetle (Epilachna varivestis Mulsant)
٠	2	Soybean Aphid (<i>Aphis glycines</i> Matsamura)
		Potato Leaf Hopper (<i>Empoasca fabae</i> (Harris))
	0	Important: Other (Please specify)
	0	This canal of leaves openly)
Ε.	HE	RBICIDE REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	0	Metribuzin
	0	Bentazone
	1	Sulfonylurea
*	2	Glyphosate
	1	Glufosinate
	0	Pendimethalin
	0	Important: Other (Please specify)

F. TRANSGENIC COMPOSITION:

Has the development of the subject variety included the insertion of genetic material from an organism other than a soybean, or, the removal of genetic material from the application variety?

- 1. Please state the vector's name:
- 2. Please state the vector components:
- 3. Please describe the genetic material successfully transferred into the subject variety:
- 4. Please describe the insertion protocol:
- * A literature citation(s) explaining the four information requests above may be an acceptable alternative to completion of the "Transgenic Composition" portion of this form.

G. BIOCHEMICAL MARKERS:

Please describe any additional genetic and/or biochemical information which you believe will be helpful in further describing the subject variety here (e.g., Single Nucleotide Polymorphisms (SNPs), Simple Sequence Repeats (SSRs), Restriction Fragment Length Polymorphisms (RFLPs), Isozyme characterization, etc.). Use additional pages if necessary.

H. STATISTICAL DATA FOR APPLICATION AND CITED MOST SIMILAR VARIETIES:

Please provide paired comparison data and appropriate statistical test (e.g. LSD. Std. error, ANOVA, Mann-Whitney *U*-test or Kruskal-Wallis Test, etc.) value (95 or > probability level).

Variety	No. of days Maturity	Plant height (cm)	% Linoleic acid	% Oleic acid	% Linolenic acid	% Other fatty acids (specify)	% Total oil	% Protein (Plant dried down to%)
Application Variety Year/Location 1								
Year/Location 2								
Cited Most Similar Variety Year/Location 1								
Year/Location 2 LSD .05								

I. COMMENTS:

Number 1:

The Transgenic Composition section is fully addressed in the following publication. Specific details of this vector components and insert elements are summarized in Figure 1 and Table 1 on page 1453. Padgett, S.R. et al. Development, Identification, and Characterization of a Glyphosate-Tolerant Soybean Line. 1995. Crop Science. 35:1451-1461.

Number 2:

RJS37002 is rated as having antibiosis resistance to soybean aphids*. On a scale of one to nine with one being susceptible, and nine being resistance; RJS37002 is rated seven.

*Antibiosis is measured using a growth chamber screening technique that compares the rate of aphid reproduction on different varieties. Antibiosis resistance reduces the rate of growth, survival and reproduction of soybean aphids that feed on soybean plants.

Number 3:

RJS37002 is rated as susceptible to iron chlorosis on calcareous soils. On a scale of one to nine with one being fully susceptible, and nine being complete resistance; RJS37002 is rated three.

Number 4:

RJS37002 is rated as resistant to frogeye leaf spot. On a scale of one to nine with one being fully susceptible, and nine being complete resistance; RJS37002 is rated eight.

Exhibit D. Additional Description of the Variety

Soybean Variety RJS37002

In Exhibit C we have identified variety RJS37002 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle and seed mottle.

This does not mean that variety RJS37002 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider RJS37002 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

Variety RJS37002 is a mid to late Group 3 variety. If Group 3 varieties are divided into tenths, the relative maturity of RJS37002 is 3.7.

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whilten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provide and employer.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to everage 5 minutes per response, including the time for reviewing instructions, searching existing date sources, gethering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, mental or family status, political beliefs, perental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD) USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT F DECLARATION REGARDING DEPOSIT

NAME OF OWNER (S) Pioneer Hi-Bred International, Inc.	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 7300 N.W. 62nd Avenue	TEMPORARY OR EXPERIMENTAL DESIGNATION XB37L07			
	P.O. Box 1004 Johnston, IA 50131-1004	VARIE RJS37002			
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 7300 N.W. 62nd Avenue	FOR OFFICIAL USE ONLY			
Paul D. Koelling Cassie J. Prochaska	P.O. Box 1004 Johnston, IA 50131-1004	#°2"0"0800138			

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Daul D. Hoelling Signature

Feb 25, 2008 Date